

Figure 1

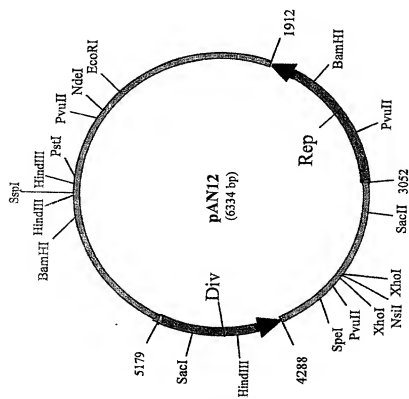


Figure 2

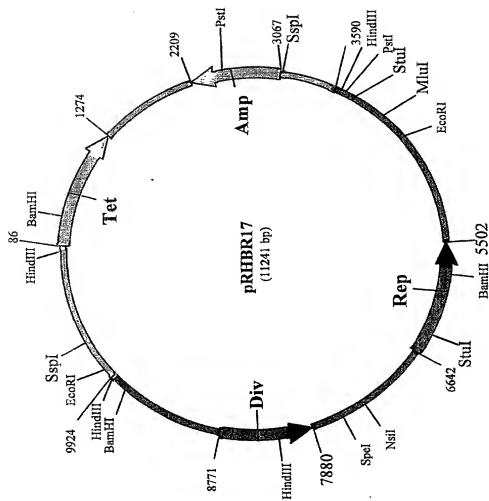


Figure 3

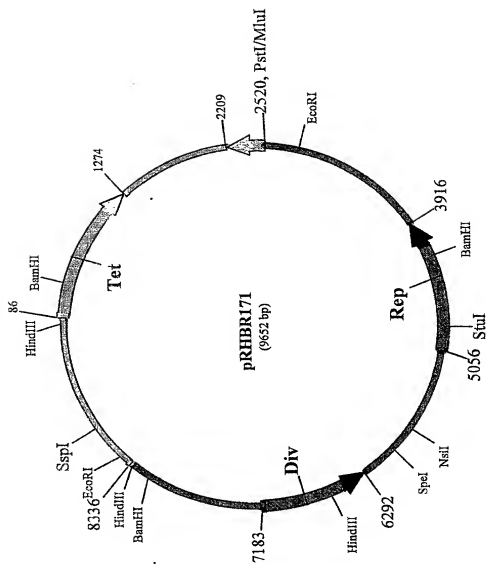


Figure 4

A Replication proteins

| | Motif IV | Motif I | Motif II | Motif III | Motif V | |
|-------|--------------|-------------|-------------|---------------|--------------|----------------------------|
| PAN12 | 73 GGGGCTCC | 109 MVLQRR | 168 EVNVALM | 229 LADLITIAS | 277 EEPEFGSN | GGPATAISRGLE--SEQ ID NO:5 |
| PAP1 | 143 GGVVACVC | 190 MLITQRH | 239 EVHSVLI | 314 IGVVSWDET | 366 KEVEYAST | GGRAETNSRGLE--SEQ ID NO:21 |
| PJ101 | 25 GGRIMTVC | 62 LVETARR | 148 HPHETIL | 235 LAEXITATQ | 289 KEVEYRAT | GGRAETWTRGLE--SEQ ID NO:22 |
| PJVI | 43 GGRIMTCEC | 80 VVLTARR | 184 HPHETIL | 272 ITEXITNDQ | 353 MAQYERLA | GGRAETWTRGLE--SEQ ID NO:23 |
| PSN22 | 25 GGRIMTVC | 62 LVLTARR | 148 HPHETIL | 225 LAEXITATQ | 289 KEVEYRAT | GGRAETWTRGLE--SEQ ID NO:24 |

B Origin of replication

| | | | | |
|-------|--------------------|--------|------------|-----------------|
| PAN12 | 574 ATCGAAACTGCTG | GAGCT | GGCTGCACTG | ---SEQ ID NO:8 |
| PJ101 | 1696 TACGAAAGCGAA | TACCTG | CGAAGAA | ---SEQ ID NO:25 |
| PJVI | 1668 CTGCAAAACGCG | GGCCG | GGTAAAGTT | ---SEQ ID NO:26 |
| PSN22 | 7805 TACCAAACTGCTG | GCCCTG | CGAAGAA | ---SEQ ID NO:27 |

